

L Number	Hits	Search Text	DB	Time stamp
1	20	(drilling adj fluid) and aphrons	USPAT; US-PGPUB; EPO; DERWENT	2004/09/22 08:55
2	17	(507/\$3).ccls. and aphrons	USPAT; US-PGPUB; EPO; DERWENT	2004/09/22 08:55
3	13	(166/\$3).ccls. and aphrons	USPAT; US-PGPUB; EPO; DERWENT	2004/09/22 08:55
4	26	((drilling adj fluid) and aphrons) or ((507/\$3).ccls. and aphrons) or ((166/\$3).ccls. and aphrons)	USPAT; US-PGPUB; EPO; DERWENT	2004/09/22 08:55

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FILE COVERS 1907 - 22 Sep 2004 VOL 141 ISS 13
 FILE LAST UPDATED: 21 Sep 2004 (20040921/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s aphrons and (polyvinyl alcohol or polyvinylalcohol)

119 APHRONS
 78279 POLYVINYL
 216257 ALCOHOL
 12489 POLYVINYL ALCOHOL
 (POLYVINYL(W)ALCOHOL)
 629 POLYVINYLALCOHOL

L1 2 APHRONS AND (POLYVINYL ALCOHOL OR POLYVINYLALCOHOL)

=> d 11 1-2

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

Full Citing
 Text References

AN 2004:678363 CAPLUS
 DN 141:209783
 TI Stabilized aqueous drilling and well treatment fluids containing colloidal-type phases, such as emulsions, foams, and **aphrons**
 IN Growcock, Frederick B.; Simon, Gerard A.
 PA Masi Technologies, L.L.C., USA
 SO PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004069939	A2	20040819	WO 2004-US2960	20040203
	W:	AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, CA, CH, CN, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MZ, MZ, NA, NI			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN,			

GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG

US 2004171496 A1 20040902 US 2004-771079 20040203
PRAI US 2003-444508P P 20030203

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

AN 2003:211030 CAPLUS
DN 139:354330
TI Poly(vinyl alcohol)/amino acid non-covalent hydrogels for biomedical applications
AU Ratner, Buddy D.; Leber, Elizabeth R.; Irvin, Colleen A.; Donaldson, Elizabeth E.; Boeckl, Maximiliane S.; Perry, Jennifer; Nair, Prabha; Bonadio, Jeffrey; Zhang, Miqin; Hauch, Kip D.
CS Department of Bioengineering, University of Washington, Seattle, WA, 98195, USA
SO Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (2003), 44(1), 626-627
CODEN: ACPPAY; ISSN: 0032-3934
PB American Chemical Society, Division of Polymer Chemistry
DT Journal; (computer optical disk)
LA English
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11 2 abs

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

Citing References

AB The mild conditions of poly(vinyl alc.)/amino acid (PVA/AA) hydrogel formation, combined with colloidal gas **aphrons**, offer the possibilities for the incorporation of cells, growth factors and other biol. moieties into these materials without inactivation. Compared to conventional hydrogel preps., PVA/AA materials use non-toxic aq. solvents with short prepn. times. Both in vitro complement activation and in vivo muscle implantation indicated biocompatibility for many members of PVA/AA hydrogels. Hydrogel viscosity could be controlled through varying the concn. and identity of the AAs. PVA/AA hydrogels are potential and versatile new class of biomaterials that could be applied for a wide variety of medical applications from gene and drug delivery to engineered tissue scaffolds.

=> NO SURF - Gel not aq. CONT.